

S10	2	("6678701").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:08
S16	2363	((merg\$3 or sort\$3) with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:36
S17	104	S16 and S1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:36
S18	15	S17 and (file with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:37
S19	14	S18 and (@ad<"20011207")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:51
S20	0	S19 and (file with location) and (location with row)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:52
S21	6	S19 and (location with row)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:55
S22	7	S19 and (locat\$3 with row)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:56

S23	9	S19 and (index with row)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/16 17:57
S24	7	S23 and (index with file)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:55
S25	3749	(row with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:41
S26	1237	(merg\$3 with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:41
S27	62	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:41
S28	104	S25 and ((merg\$4 or sort\$4) with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:42
S29	14	S28 and (file with partition) and (@ad<"20011207")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:04
S30	5	S29 and hash	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:42

S31	2	("20020095397").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:55
S32	0	"20020095397".pn. and (file adj partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:56
S33	0	"20020095397".pn. and (file near partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:56
S34	1	"20020095397".pn. and (file with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 10:56
S35	1	"20020095397".pn. and (file with partition) and (file with locat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:04
S36	5	S28 and (row with hash)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:06
S37	2	S36 and (@ad<"20011207")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:06
S38	19	S28 and (row with block)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:09

S39	11	S38 and (@ad<"20011207")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:10
S40	3	S38 and (@ad<"20011207") and hash	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:07
S41	8	S38 and (@ad<"20011207") and sort	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:07
S42	7	S28 and (hash with partition)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:09
S43	4	S42 and (@ad<"20011207")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:15
S44	1	"275028".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:26
S45	1	"276082".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:28
S46	1	"276300".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:30

S47	1	"276191".apn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/17 11:30
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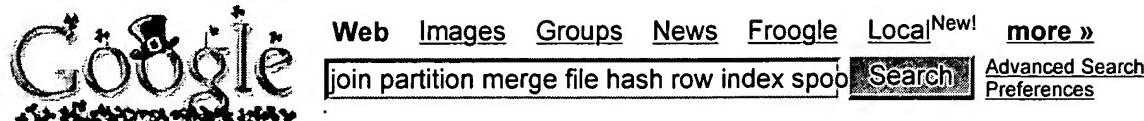
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... Send it to each **partition** of large table for **hash join**. ... Use nested loops,  
**sort-merge join** (sort is **index** build). Page locking, 2K disk IO, ...

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... during **parse**: 1 Optimizer goal: CHOOSE Parsing user id: 34 (SCOTT) Rows **Row**

... 2 1 FILTER 3 2 HASH JOIN (OUTER) 4 3 TABLE ACCESS (BY INDEX ROWID) OF ...

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... **hash** area size (Database Tuning with the Oracle Tuning Pack): **hash join** ...

creating local **index** on **hash** partitioned table (Administrator's Guide) ...

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[Oracle9i Database Server Patch Set Notes](#)

... **index**, then it writes the LCR that caused the error into its trace **file**, ...

The following table lists the **hash join** bugs addressed in this patch set: ...

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... memory corruption / dump from UPDATE using **HASH JOIN** with correlated SUBQUERY

... ADD/COALESCE/**MERGE/SPLIT PARTITION** sets table statistics to NULL ...

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[Initialization Parameters](#)

... for the default locations and filenames for these parameter files. ...

whether the optimizer should consider using a **hash join** as a **join** method. ...

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... Tuning Pack): **hash join** enabled (Oracle Enterprise Manager Database Tuning with

... Guide): **parse()** code sample (Internet File System Developer's Guide) ...

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File System Setup and Administration Guide): overview, 5-2: **parse()** code ...

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... amount of memory used to **merge** bitmaps retrieved from a range scan of the **index**.

... how many sequential blocks a **hash join** reads and writes in one IO. ...

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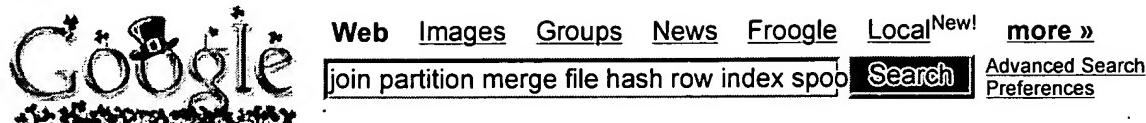
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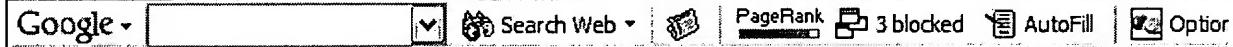
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